



BOX PATENT  
Attorney Docket No. 24679

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

RHEE et al.

Serial No.: 09/868,328

Group Art Unit: 1652

Filed: November 9, 2001

Examiner: RAO, M.

For: **ENZYMATIC PRODUCTION OF DIFRUCTOSE DIANHYDRIDE IV FROM SUCROSE  
AND RELEVANT ENZYMES AND GENES CODING FOR THEM**

RECEIVED

APR 28 2003

TRANSMITTAL LETTER

The Commissioner for Patents  
Washington, D.C. 20231

TECH CENTER 1600/2900

Sir:

Submitted herewith for filing in the U.S. Patent and Trademark Office is the following:

- (1) Transmittal Letter; and
- (2) Response to Restriction/Election Requirement.

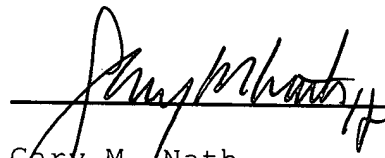
Respectfully submitted,

**NATH & ASSOCIATES PLLC**

Date: April 25, 2003

**NATH & ASSOCIATES PLLC**  
1030 15<sup>th</sup> Street NW, 6<sup>th</sup> Floor  
Washington, D.C. 20005  
Tel: (202) 775-8383  
Fax: (202) 775-8396

GMN:LCH/SMM\RRR.TL.doc

  
\_\_\_\_\_  
Gary M. Nath  
Reg. No. 26,965  
Jerald L. Meyer  
Reg. No. 41,194  
Customer No. 20529



#13  
Dmt  
5-203

BOX PATENT

Attorney Docket No. 24679

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

RHEE et al.

Serial No.: 09/868,328

Group Art Unit: 1652

Filed: November 9, 2001

Examiner: RAO, M.

For: ENZYMATIC PRODUCTION OF DIFRUCTOSE  
DIANHYDRIDE IV FROM SUCROSE AND RELEVANT  
ENZYMES AND GENES CODING FOR THEM

RESPONSE TO RESTRICTION / ELECTION REQUIREMENT

RECEIVED

APR 28 2003

TECH CENTER 1600/2900

Commissioner for Patents  
Washington, D.C. 20231

Sir:

This is in response to the Official Action mailed March 25, 2003, with a one-month period for response. Thus, this Response is due by April 25, 2003. Accordingly, this Response is timely filed within the period set for reply by the Examiner.

REMARKS

Claims 1-24 are pending in the captioned application. The Official Action states that claims 1-24 are subject to restriction and/or election according to the following groups:

Group I - Claim 1, drawn to a novel microorganism which shows an activity of producing difructose dianhydride IV from levan and activity of degrading levan.

Group II - Claims 2-9, 15-17, drawn to polynucleotides encoding levan fructotransferase, levan fructotransferase, vectors, host cells and a method of making the polypeptide.

Group III- Claims 10-14, drawn to a process for preparing difructose dianhydride IV from levan, using levan fructotransferase.

Group IV- Claims 18-24, drawn to a process for preparing difructose dianhydride IV from sucrose, using levansucrase and fructotransferase.

**ELECTION**

Applicants elect Group II, drawn to claims 2-9 and 15-17 without traverse.

If the Examiner has any questions or wishes to discuss this matter, the Examiner is welcomed to telephone the undersigned attorney.

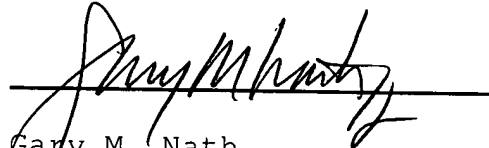
Respectfully submitted,

**NATH & ASSOCIATES PLLC**

Date: April 25, 2003

**NATH & ASSOCIATES PLLC**  
1030 15<sup>th</sup> Street NW, 6<sup>th</sup> Floor  
Washington, D.C. 20005  
Tel: (202) 775-8383  
Fax: (202) 775-8396

GMN:LCH/SMM\RRR.doc

  
Gary M. Nath  
Reg. No. 26,965  
Gerald L. Meyer  
Reg. No. 41,194  
Customer No. 20529